

Title (en)
CLOAKED LOW BAND ELEMENTS FOR MULTIBAND RADIATING ARRAYS

Title (de)
VERHÜLLTE NIEDRIGBANDIGE ELEMENTE FÜR MEHRBANDIGE STRAHLUNGSARRAYS

Title (fr)
ÉLÉMENTS DE BANDE BASSE MASQUÉS POUR RÉSEAUX RAYONNANTS MULTIBANDE

Publication
EP 4016741 A1 20220622 (EN)

Application
EP 22155629 A 20150806

Priority

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- EP 15750581 A 20150806
- US 2015044020 W 20150806

Abstract (en)
A multiband cellular base station antenna (10) comprising: a reflector (12); a first array of first radiating elements (16) that are configured to operate in a low first operational frequency band of the multiband cellular base station antenna (10), the first radiating elements (16) including a plurality of dipole arms that each have a plurality of conductive segments (22) coupled in series by a plurality of inductive elements (24), the dipole arms configured to have a high impedance that attenuates currents in a high second operational frequency band of the multiband cellular base station antenna and have a low impedance that passes currents in the first operational frequency band; and a second array of second radiating elements (14) that are configured to operate in the second operational frequency band.

IPC 8 full level
H01Q 21/26 (2006.01); **H01Q 1/52** (2006.01); **H01Q 5/49** (2015.01); **H01Q 9/16** (2006.01); **H01Q 19/10** (2006.01); **H01Q 21/06** (2006.01); **H01Q 1/24** (2006.01); **H01Q 19/24** (2006.01); **H01Q 21/30** (2006.01); **H01Q 25/00** (2006.01)

CPC (source: CN EP US)
H01Q 1/24 (2013.01 - US); **H01Q 1/523** (2013.01 - CN EP US); **H01Q 5/49** (2015.01 - CN EP US); **H01Q 9/16** (2013.01 - CN EP US); **H01Q 19/108** (2013.01 - EP US); **H01Q 21/062** (2013.01 - EP US); **H01Q 21/26** (2013.01 - CN EP US); **H01Q 1/246** (2013.01 - CN EP US); **H01Q 1/52** (2013.01 - US); **H01Q 19/10** (2013.01 - US); **H01Q 19/108** (2013.01 - CN); **H01Q 19/24** (2013.01 - EP); **H01Q 21/06** (2013.01 - US); **H01Q 21/062** (2013.01 - CN); **H01Q 21/30** (2013.01 - CN EP US); **H01Q 25/00** (2013.01 - US); **H01Q 25/001** (2013.01 - CN EP US)

Citation (applicant)

- US 201462081358 P 20141118
- US 201313827190 A 20130314

Citation (search report)

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